

L Number	Hits	Search Text	DB	Time stamp
-	0	symmetrical and clinch and pierce and 411/\$.ccls	USPAT; US-PGPUB	2004/08/16 11:45
-	0	symmetrical and (clinch pierce) and 411/\$.ccls	USPAT; US-PGPUB	2004/08/09 10:56
-	0	symmetrical and (clinch pierce) and 411/\$.ccls	USPAT; US-PGPUB	2004/08/09 10:57
-	36975	("411").CLAS.	USPAT; US-PGPUB	2004/08/09 10:56
-	118	symetric\$ and (clinch pierce)	USPAT; US-PGPUB	2004/08/11 09:45
-	4	("2075675" "1332686" "1872385" "1342225").PN.	USPAT	2004/08/09 10:58
-	3	3809139.URPN.	USPAT	2004/08/09 10:59
-	1	("1591183").PN.	USPAT; US-PGPUB	2004/08/09 11:24
-	1	("3187424").PN.	USPAT; US-PGPUB	2004/08/09 11:25
-	4	3187424.URPN.	USPAT	2004/08/09 11:25
-	1109	rivet and bush	USPAT; US-PGPUB	2004/08/09 15:00
-	0	rivet and bush and 411/\$.ccls	USPAT; US-PGPUB	2004/08/09 15:01
-	13	rivet and bush and 411/\$.ccls.	USPAT; US-PGPUB	2004/08/09 15:05
-	137	(411/183).CCLS.	USPAT; US-PGPUB	2004/08/09 16:42
-	202	(464/32).CCLS.	USPAT; US-PGPUB	2004/08/10 10:26
-	258	411/183	USPAT; US-PGPUB	2004/08/09 16:44
-	85	(464/42).CCLS.	USPAT; US-PGPUB	2004/08/10 10:33
-	749	((411/179,180,181,182) or (411/185,186)).CCLS.	USPAT; US-PGPUB	2004/08/10 10:35
-	4	3187424.URPN.	USPAT	2004/08/10 12:39
-	9	symmetric and clinch and nut	USPAT; US-PGPUB	2004/08/10 13:29
-	2938	(29/505,525,525.01,525.05,525.06,525.11).CCLS	USPAT; US-PGPUB	2004/08/10 13:41
-	26	((29/505,525,525.01,525.05,525.06,525.11).CCLS and "clinch"	USPAT; US-PGPUB	2004/08/12 12:18
-	34	hopper and clinch and nut	USPAT; US-PGPUB	2004/08/10 13:51
-	171	(411/171).CCLS.	USPAT; US-PGPUB	2004/08/10 14:08
-	0	20040141825.URPN.	USPAT	2004/08/10 14:07
-	0	20040141825.URPN.	USPAT	2004/08/10 14:07
-	0	20040141825.URPN.	USPAT	2004/08/10 14:07
-	0	orientless and clinch	USPAT; US-PGPUB	2004/08/10 14:09
-	579	orient\$ and clinch	USPAT; US-PGPUB	2004/08/10 14:57
-	15	(470/907).CCLS.	USPAT; US-PGPUB	2004/08/10 14:59
-	263	(470/167).CCLS.	USPAT; US-PGPUB	2004/08/10 14:59

-	106	(US-3809139-\$ or US-2075675-\$ or US-1872385-\$ or US-1332686-\$ or US-5020952-\$ or US-1591183-\$ or US-6732431-\$ or US-6543979-\$ or US-6592311-\$ or US-6491487-\$ or US-6406237-\$ or US-6325580-\$ or US-6185870-\$ or US-6161998-\$ or US-6712370-\$ or US-6698081-\$ or US-6318940-\$ or US-6004087-\$ or US-5528812-\$ or US-5489176-\$ or US-5445483-\$ or US-4971499-\$ or US-4739601-\$ or US-4713872-\$ or US-4186787-\$ or US-2985213-\$).did. or (US-2170290-\$ or US-2110039-\$ or US-1872616-\$ or US-1249948-\$ or US-6527489-\$ or US-6499923-\$ or US-6435758-\$ or US-6409444-\$ or US-6257814-\$ or US-6220804-\$ or US-6108893-\$ or US-6081994-\$ or US-5927921-\$ or US-5882159-\$ or US-5782594-\$ or US-5613815-\$ or US-5549430-\$ or US-5531552-\$ or US-5441417-\$ or US-5423645-\$ or US-RE34928-\$ or US-5365654-\$ or US-5335411-\$ or US-5249901-\$ or US-5098765-\$ or US-5092724-\$ or US-4915558-\$).did. or (US-4893976-\$ or US-4831698-\$ or US-4768907-\$ or US-4732518-\$ or US-4724610-\$ or US-4642869-\$ or US-4557650-\$ or US-4557649-\$ or US-4459073-\$ or US-4432681-\$ or US-4430034-\$ or US-4389766-\$ or US-4370794-\$ or US-4124050-\$ or US-4087897-\$ or US-3926236-\$ or US-3920059-\$ or US-3910331-\$ or US-3909927-\$ or US-3894331-\$ or US-3845860-\$ or US-3736969-\$ or US-3727254-\$ or US-3534797-\$ or US-3506050-\$ or US-3469613-\$ or US-3461936-\$).did. or (US-3431960-\$ or US-3405752-\$ or US-3276499-\$ or US-3253631-\$ or US-3213914-\$ or US-3187796-\$ or US-3152628-\$ or US-3133579-\$ or US-3014609-\$ or US-2415695-\$ or US-2176846-\$ or US-RE17907-\$ or US-1759339-\$ or US-1705463-\$ or US-1579875-\$ or US-1332687-\$ or US-0521825-\$ or US-4476599-\$).did. or (US-20040146376-\$ or US-20040086355-\$ or US-20040042871-\$ or US-20040042870-\$ or US-20030063961-\$ or US-20030039530-\$ or US-20010010789-\$ or US-20040078949-\$).did. (US-3187424-\$ or US-3187424-\$).did. (("4610072") or ("4711021") or ("4810143") or ("4831698") or ("4911592") or ("5251370") or ("5335411") or ("5423645") or ("5439336")).PN.	USPAT; US-PGPUB	2004/08/10 15:17
-	1		USOCR	2004/08/10 15:12
-	9		USPAT; US-PGPUB	2004/08/10 16:14
-	683238	flanged coupling	USPAT; US-PGPUB	2004/08/10 16:15
-	360	'flanged coupling'	USPAT; US-PGPUB	2004/08/10 16:16
-	122	flanged and coupling and 411/\$.ccls.	USPAT; US-PGPUB	2004/08/10 16:17
-	181	flanged and coupling and 411/\$	USPAT; US-PGPUB	2004/08/10 16:23
-	8	1648026.URPN.	USPAT	2004/08/10 16:22
-	533	flang\$ and radial and annular and (center midway halfway) and 411/\$	USPAT; US-PGPUB	2004/08/10 16:25
-	1	("3187424").PN.	USPAT; US-PGPUB	2004/08/11 10:24
-	4	3187424.URPN.	USPAT	2004/08/11 09:45

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-	231	pizza and cutting and blade	USPAT;	2004/08/12 08:25
-	34	pizza with cutting with blade	US-PGPUB USPAT;	2004/08/12 10:58
-	12	("0116136" "D144225" "D152600" "D330665" "0488289" "0749357" "0986166" "1533305" "4574479" "4625404" "4924575" "4959905").PN.	USPAT	2004/08/12 08:26
-	1	116136.URPN.	USPAT	2004/08/12 08:27
-	2	("1363104" "2718853").PN.	USPAT	2004/08/12 08:29
-	1	2718853.URPN.	USPAT	2004/08/12 08:32
-	1	116136.URPN.	USPAT	2004/08/12 09:00
-	1	116136.URPN.	USPAT	2004/08/12 09:00
-	0	("15798752968713").PN.	USPAT; US-PGPUB	2004/08/12 10:58
-	2	((("1579875") or ("2968713")).PN.	USPAT; US-PGPUB	2004/08/12 10:59
-	8	(411/170).CCLS.	USPAT; US-PGPUB	2004/08/12 11:28
-	48	(411/172).CCLS.	USPAT; US-PGPUB	2004/08/12 11:47
-	1	2279574.URPN.	USPAT	2004/08/12 11:30
-	5	2591631.URPN.	USPAT	2004/08/12 11:31
-	985	(411/360,361,366.2,501,509,510).CCLS.	USPAT; US-PGPUB	2004/08/12 12:17
-	290	(411/147,136).CCLS.	USPAT; US-PGPUB	2004/08/12 12:23
-	1704	(411/531-547).CCLS.	USPAT; US-PGPUB	2004/08/16 09:59
-	7	("1404522" "1865284" "2042179" "2156155" "2374550" "2456055" "2911242").PN.	USPAT	2004/08/12 13:22
-	1	("3301942").PN.	USPAT; US-PGPUB	2004/08/12 15:30
-	5671	29/\$.ccls and clinch nut and hopper	USPAT; US-PGPUB	2004/08/12 15:30
-	572	29/\$.ccls and clinch nut and hopper and symmetric\$	USPAT; US-PGPUB	2004/08/12 15:32
-	0	29/\$.ccls and "clinch nut" and hopper and symmetric\$	USPAT; US-PGPUB	2004/08/12 15:33
-	0	29/\$.ccls and (clinch with nut) and hopper and symmetric\$	USPAT; US-PGPUB	2004/08/12 15:33
-	0	29/\$.ccls and (clinch same nut) and hopper and symmetric\$	USPAT; US-PGPUB	2004/08/12 15:33
-	1	("1332686").PN.	USPAT; US-PGPUB	2004/08/16 08:59
-	41	WASHER WITH GROOVES WITH FRICTION	USPAT; US-PGPUB	2004/08/16 10:02
-	170493	grooved washer	USPAT; US-PGPUB	2004/08/16 10:02
-	25	"grooved washer"	USPAT; US-PGPUB	2004/08/16 10:03
-	17384	groove\$ and washer and two with side	USPAT; US-PGPUB	2004/08/16 10:04
-	17384	groove\$ and washer and (two with side)	USPAT; US-PGPUB	2004/08/16 10:05
-	195	groove\$ and washer and (two?sided)	USPAT; US-PGPUB	2004/08/16 10:05
-	0	groove\$ and washer and (two?sided)and 411/\$.ccls	USPAT; US-PGPUB	2004/08/16 10:06
-	0	groove\$ and washer and ('two sided' 'two-sided')and 411/\$.ccls	USPAT; US-PGPUB	2004/08/16 10:06
-	0	groove\$ and washer and 411/\$.ccls	USPAT; US-PGPUB	2004/08/16 10:07
-	0	groove and washer and 411/\$.ccls	USPAT; US-PGPUB	2004/08/16 10:07
-	1210	groove and washer and 411/\$.ccls.	USPAT; US-PGPUB	2004/08/16 10:07
-	208	groove and washer and 411/\$.ccls. and (both with side)	USPAT; US-PGPUB	2004/08/16 10:19
-	521	groove and washer and 411/\$.ccls. and radial	USPAT; US-PGPUB	2004/08/16 10:20

-	250	groove and washer and 411/\$.ccls. and radial and lock	USPAT;	2004/08/16 10:21
-	1	("2415695").PN.	US-PGPUB	
-	1	("3187424").PN.	USPAT;	2004/08/16 11:53
-	664	(castled groove\$ recess\$) and lock and washer and 411/\$.ccls.	US-PGPUB	
-	0	6010290.URPN.	USPAT;	2004/08/16 12:32
-	0	6010290.URPN.	US-PGPUB	
-	19	("0130689" "0152344" "0669840" "0763821" "0788058" "1033759" "1309463" "1311727" "1358690" "1363210" "1480885" "1613493" "1707932" "1966015" "2384908" "2405424" "4572718" "5562378" "5674034").PN.	USPAT	2004/08/16 13:00
-	19	("0130689" "0152344" "0669840" "0763821" "0788058" "1033759" "1309463" "1311727" "1358690" "1363210" "1480885" "1613493" "1707932" "1966015" "2384908" "2405424" "4572718" "5562378" "5674034").PN.	USPAT	2004/08/16 12:39
-	2	1613493.URPN.	USPAT	2004/08/16 12:40
-	310	(castled groove\$ recess\$) and lock and washer and 411/\$.ccls. and flange	USPAT;	2004/08/16 13:20
-	1	("1579875").PN.	US-PGPUB	
-	10	spool with flange with frustoconical	USPAT;	2004/08/16 13:31
-	4475	spool with flange	US-PGPUB	
-	2539	spool with flange and (center midway middle halfway)	USPAT;	2004/08/16 13:35
-	1481	washer with grooves	US-PGPUB	
-	31	("2078739" "2587408" "2757054" "2795444" "2983534" "2984528" "2996901" "3050351" "3168321" "3259404" "3316035" "3344689" "3399007" "3588787" "3589143" "3635535" "3674325" "3726178" "4050130" "4371357" "4419086" "4448550" "4637740" "4702657" "4854738" "4934979" "5106342" "5199800" "5286115" "5865678" "6129634").PN.	USPAT;	2004/08/16 13:42
-	18	2795444.URPN.	US-PGPUB	
-	6	("1681731" "3155051" "3407011" "3504879" "3771753" "3776499").PN.	USPAT	2004/08/16 15:07
-	4	3187424.URPN.	USPAT	2004/08/16 13:50
-	307902	reversible clinch nut	USPAT;	2004/08/16 15:03
-	0	reversible with clinch with nut	US-PGPUB	
-	0	reversible same clinch with nut	USPAT;	2004/08/16 15:07
-	1131	cylindrical and flange and peripheral and radially and outward and inward and taper	US-PGPUB	
-	921	(411/82,82.1,427).CCLS.	USPAT;	2004/08/16 15:23
-	16	("3213914" "3234987" "3253631" "3299500" "3469613" "3506050" "3648747" "3793658" "3810291" "3927465" "4484385" "4637766" "4708556" "5340251" "5531552" "5549430").PN.	US-PGPUB	
-	143	(242/342).CCLS.	USPAT	2004/08/17 15:52
-	227	spool with center with flange	USPAT;	2004/08/17 08:26
-			US-PGPUB	
-			USPAT;	2004/08/17 09:39
-			US-PGPUB	

-	0	20020108328.URPN.	USPAT	2004/08/17 08:30
-	0	20020108328.URPN.	USPAT	2004/08/17 08:30
-	941	(242/603,614,578,578.2,388.6).CCLS.	USPAT;	2004/08/17 10:34
-	0	1433921.URPN.	US-PGPUB	
-	0	1433921.URPN.	USPAT	2004/08/17 10:19
-	221656	clinch nut	USPAT	2004/08/17 10:20
-			USPAT;	2004/08/17 10:34
-	131173	clinch nut	US-PGPUB	
-	211219	clinch nut symmetrical	EPO; JPO;	2004/08/17 10:34
-			DERWENT	
-	1	clinch and nut and symmetrical	EPO; JPO;	2004/08/17 10:35
-			DERWENT	
-			EPO; JPO;	2004/08/17 11:23
-			DERWENT	

-	298	("5593262") or ("5193961") or ("4952106") or ("5537793") or ("5549430") or ("5791810") or ("4143498") or ("4367995") or ("4391559") or ("4430947") or ("4478545") or ("4565465") or ("4778320") or ("4832547") or ("4860410") or ("4861208") or ("5005265") or ("5187843") or ("5195857") or ("5207588") or ("5237733") or ("5375954") or ("5441417") or ("5451090") or ("5513471") or ("5528812") or ("5564873") or ("5613815") or ("5644830") or ("6035598") or ("6079923") or ("6146192") or ("6231380") or ("6406237") or ("4497151") or ("5678286") or ("4825527") or ("4985994") or ("4296582") or ("4303187") or ("4338755") or ("4356943") or ("4372014") or ("4402116") or ("4425686") or ("4444342") or ("4459073") or ("4543701") or ("4575875") or ("4610072") or ("4810143") or ("4826378") or ("4831698") or ("4846586") or ("4893394") or ("4911592") or ("4918898") or ("4932105") or ("4966421") or ("4986590") or ("5251370") or ("5309618") or ("5335411") or ("5363624") or ("5370485") or ("5398700") or ("5401194") or ("5423645") or ("5439336") or ("5471804") or ("5490361") or ("5560094") or ("5685050") or ("5690460") or ("5722139") or ("5758467") or ("5791845") or ("5845883") or ("5875500") or ("6056174") or ("6077011") or ("6158937") or ("6203364") or ("6341465") or ("6370831") or ("6376035") or ("6390885") or ("6421846") or ("6439771") or ("6557927") or ("6675966") or ("6682126") or ("6718559") or ("5683070") or ("3916577") or ("3913288") or ("3852849") or ("4109437") or ("4257204") or ("5229175") or ("5345716") or ("5613701") or ("5752355") or ("5919535") or ("5956920") or ("6068113") or ("6110586") or ("6138329") or ("6202261") or ("6592387") or ("5181360") or ("5306175") or ("5639195") or ("4104840") or ("4382303") or ("4384667") or ("4499636") or ("4512122") or ("4863326") or ("4877364") or ("4884376") or ("4884988") or ("4896805") or ("4909009") or ("4960112") or ("5192019") or ("5417495") or ("5449081") or ("5509242") or ("5538502") or ("5567082") or ("5595567") or ("5682730") or ("5813580") or ("5911311") or ("6030123") or ("6062293") or ("6069319") or ("6071011") or ("6139351") or ("6146071") or ("6148588") or ("6153035") or ("6164610") or ("6189662") or ("6190082") or ("6219938") or ("6219938") or ("6226950") or ("6233737") or ("6279298") or ("6283351") or ("6295783") or ("6311946") or ("6327754") or ("6360513") or ("6406210") or ("6412250") or ("6427421") or ("6539571") or ("6691482") or ("5542777") or ("5704751") or ("6149338") or ("6325581") or ("4407618") or ("5755246") or ("4395174") or ("4435937") or ("4973102") or ("4981405") or ("5261759") or ("5378099") or ("5400412") or ("5494392") or ("5657592") or ("5876023") or ("5876024") or ("6085485") or ("6176394") or ("2577603") or ("3892099") or ("3842709") or ("3807112") or ("4133161") or ("4089145") or ("4266824") or ("4266385") or ("4284378") or	USPAT; US-PGPUB	2004/08/17 12:41
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-	2910	(29/525-525.15).CCLS.	USPAT; US-PGPUB	2004/08/17 13:36
-	1	("1363104").PN.	USPAT; US-PGPUB	2004/08/17 15:52